

CLAIMS

1. A nozzle for a fan assembly, the nozzle comprising:
an air inlet for receiving an air flow, a first air outlet for emitting an air flow and a second
5 air outlet for emitting an air flow;
wherein the first and second air outlets comprise a pair of curved slots that are provided
on a face of the nozzle;
wherein the first and second air outlets are diametrically opposed and oriented towards
a convergent point; and
10 wherein the nozzle further comprises an intermediate surface that spans an area
between the first and second air outlets.
2. The nozzle of claim 1, wherein the face of the nozzle comprises the intermediate
surface.
- 15 3. The nozzle of any one of claims 1 or 2, wherein the first air outlet and the second air
outlet are oriented towards a convergent point located on a central axis of the face of
the nozzle.
- 20 4. The nozzle of any one of claims 1 to 3, wherein the intermediate surface defines a
portion of the first and second air outlets.
5. The nozzle of any of claims 1 to 4, and further comprising a nozzle body that defines
one or more outermost surfaces of the nozzle.
- 25 6. The nozzle of claim 5, wherein the face of the nozzle further comprises a portion of the
nozzle body that extends around the periphery of the intermediate surface.
7. The nozzle of any one of claims 5 or 6, wherein the nozzle body defines an opening and
the intermediate surface is exposed within the opening.
- 30 8. The nozzle of any one of claims 1 to 7, wherein the first air outlet is defined by a first
portion of the nozzle body and a first portion of the intermediate surface and the second
air outlet is defined by a second portion of the nozzle body and a second portion of the
35 intermediate surface.

9. The nozzle of claim 8, wherein the first portion of the nozzle body has a shape that corresponds with a shape of the first portion of the intermediate surface and the second portion of the nozzle body has a shape that corresponds with a shape of the second portion of the intermediate surface.
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10. The nozzle of claim 9, wherein the nozzle defines an opening between the intermediate surface and the nozzle body, and wherein the pair of curved slots are provided by separate portions of the opening.
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11. The nozzle of claim 10, wherein portions of the opening between the pair of curved slots are each occluded by one or more covers.
12. The nozzle of any one of claims 1 to 11, wherein the first and second air outlets are arranged to direct an air flow over at least a portion of the intermediate surface.
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13. The nozzle of any one of claims 1 to 12, wherein the nozzle has the general shape of a truncated sphere, with a first truncation defining the face of the nozzle and a second truncation defining at least part of a base of the nozzle.
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14. The nozzle of any one of claims 1 to 13, and further comprising a base that is arranged to be connected to a fan assembly, and wherein the base defines the air inlet of the nozzle.
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15. The nozzle of claim 14, wherein the angle of the face of the nozzle relative to the base is fixed.
16. The nozzle of claim 15, wherein the angle of the face of the nozzle relative to the base is from 0 to 90 degrees, is more preferably from 0 to 45 degrees, and is yet more preferably from 20 to 35 degrees.
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17. The nozzle of any one of claims 1 to 16, and further comprising a single internal air passageway extending between the air inlet and both the first and second air outlets.
18. The nozzle of claim 17, and further comprising a valve for controlling an air flow from the air inlet to the air outlets.
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19. The nozzle of claim 18, wherein the first and second air outlets together define a combined air outlet of the nozzle, and the valve comprises one or more valve members which are moveable to adjust the size of the first air outlet relative to the size of the second air outlet while keeping the size of the combined air outlet of the nozzle constant.
20. The nozzle of claim 18, wherein one or more valve members are moveable through a range of positions between a first end position in which the first air outlet is maximally occluded and the second air outlet is maximally open and a second end position in which the first air outlet is maximally open and the second air outlet is maximally occluded.
21. A fan assembly comprising an impeller, a motor for rotating the impeller to generate an air flow, and a nozzle as claimed in any one of claims 1 to 20 for receiving the air flow.